FIG. 1

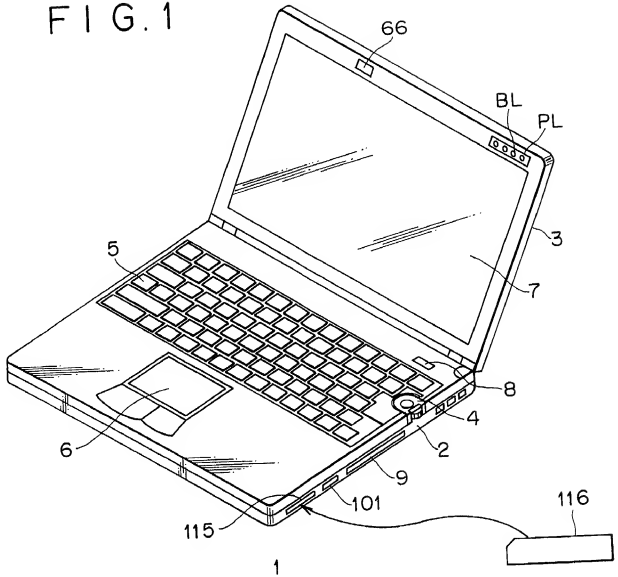

FIG. 2

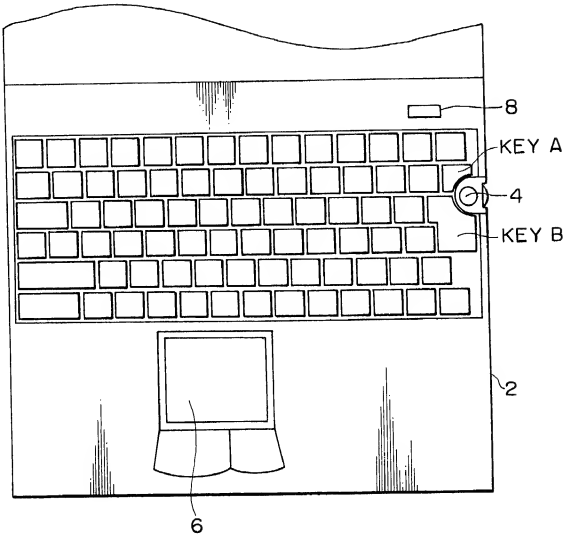

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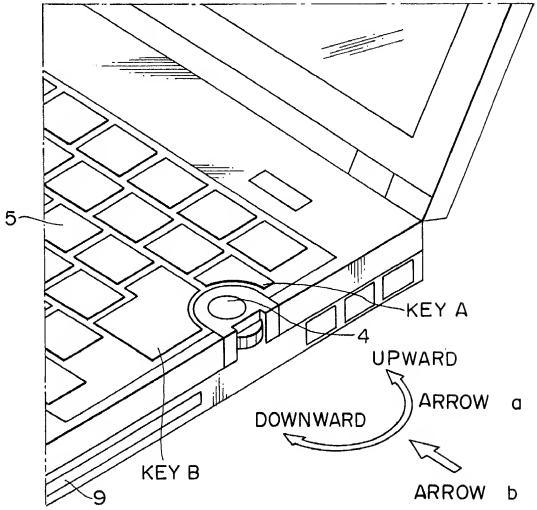
FIG.3



T06280 '59T2h660

FIG. 4

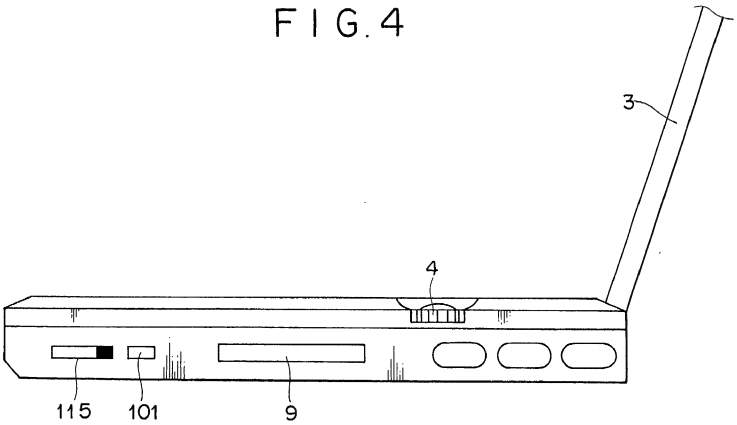


FIG. 5

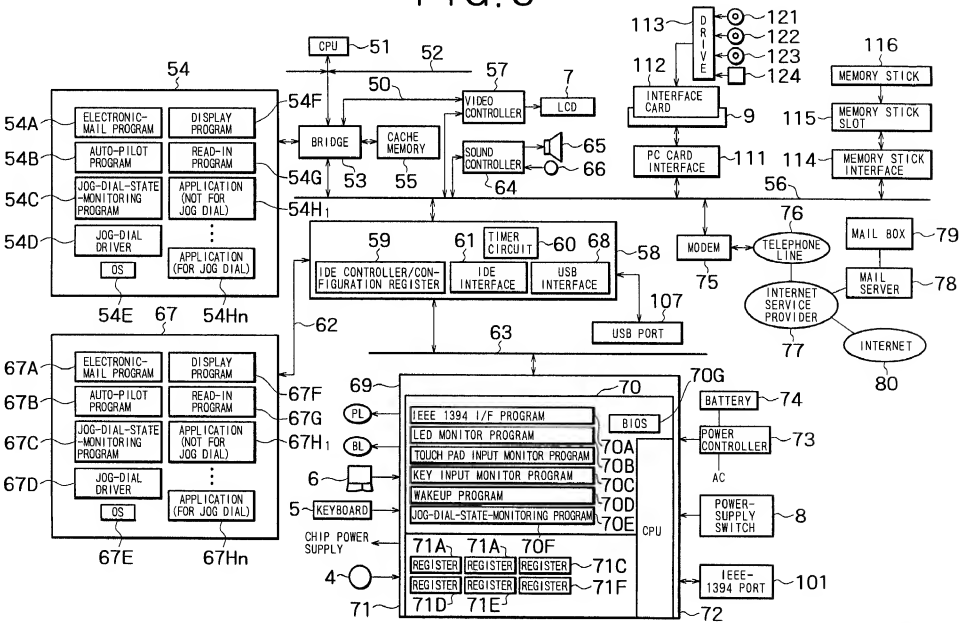

CPU
51
52
57
7
LCD
VIDEO CONTROLLER
50
54
54F
54A
ELECTRONIC-MAIL PROGRAM
DISPLAY PROGRAM
54B
AUTO-PILOT PROGRAM
READ-IN PROGRAM
54C
JOG-DIAL-STATE-MONITORING PROGRAM
APPLICATION (NOT FOR JOG DIAL)
54D
JOG-DIAL DRIVER
APPLICATION (FOR JOG DIAL)
OS
54E
67
54Hn
BRIDGE
CACHE MEMORY
53
55
54G
54H1
SOUND CONTROLLER
64
65
66
113
DRIVE
121
122
123
124
112
INTERFACE CARD
9
PC CARD INTERFACE
111
116
MEMORY STICK
115
MEMORY STICK SLOT
114
MEMORY STICK INTERFACE
56
76
MAIL BOX
79
59
61
TIMER CIRCUIT
60
68
58
IDE CONTROLLER/CONFIGURATION REGISTER
IDE INTERFACE
USB INTERFACE
MODEM
75
TELEPHONE LINE
MAIL SERVER
78
INTERNET SERVICE PROVIDER
77
INTERNET
80
107
USB PORT
62
63
67A
67B
67C
67D
67E
67Hn
67F
67G
67H1
69
70
70G
PL
BL
6
5
KEYBOARD
CHIP POWER SUPPLY
4
71
IEEE 1394 I/F PROGRAM
LED MONITOR PROGRAM
TOUCH PAD INPUT MONITOR PROGRAM
KEY INPUT MONITOR PROGRAM
WAKEUP PROGRAM
JOG-DIAL-STATE-MONITORING PROGRAM
70A
70B
70C
70D
70E
BIOS
CPU
72
71A
70F
REGISTER
71C
71F
71D
71E
BATTERY
74
POWER CONTROLLER
73
AC
POWER-SUPPLY SWITCH
8
IEEE-1394 PORT
101

FIG.6

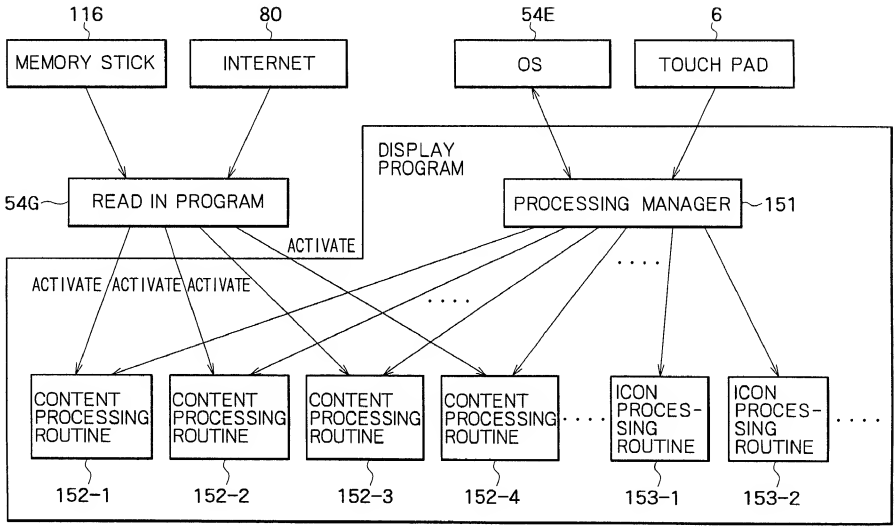

116
80
54E
6
MEMORY STICK
INTERNET
OS
TOUCH PAD
DISPLAY PROGRAM
54G
READ IN PROGRAM
PROCESSING MANAGER
151
ACTIVATE
ACTIVATE
ACTIVATE
ACTIVATE
CONTENT PROCESSING ROUTINE
CONTENT PROCESSING ROUTINE
CONTENT PROCESSING ROUTINE
CONTENT PROCESSING ROUTINE
ICON PROCES-SING ROUTINE
ICON PROCES-SING ROUTINE
152-1
152-2
152-3
152-4
153-1
153-2

FIG. 7

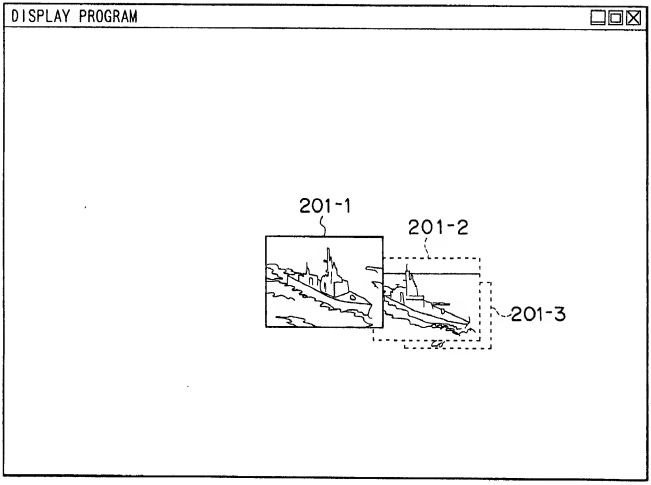


FIG. 8

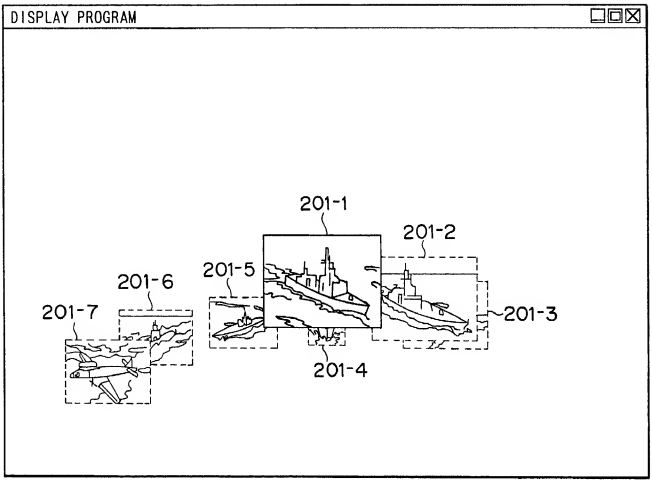


FIG. 9

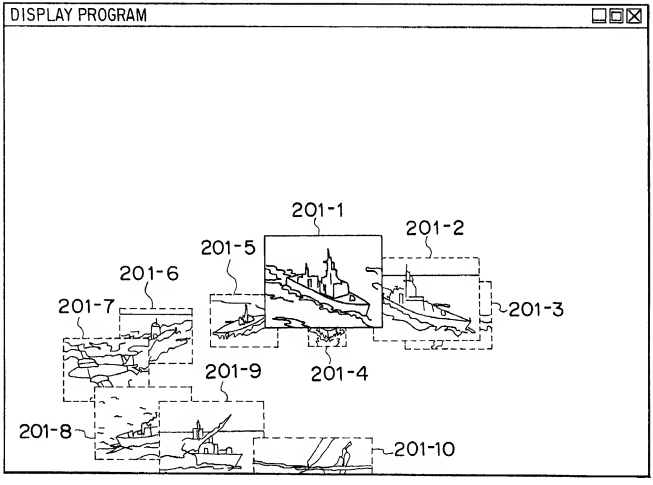

DISPLAY PROGRAM
201-1
201-2
201-5
201-6
201-7
201-3
201-9
201-4
201-8
201-10

FIG. 10

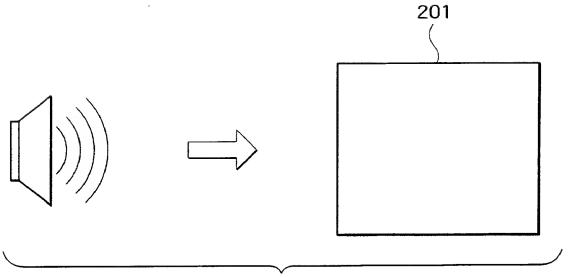
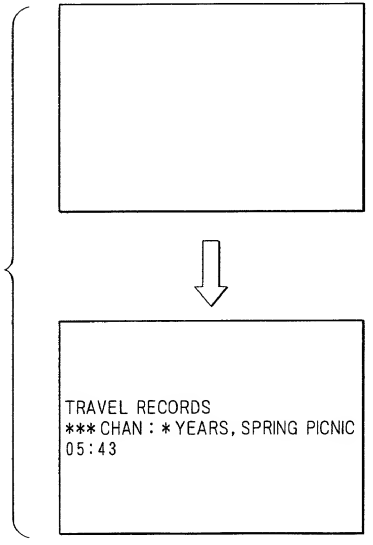


FIG. 11



09942165-082901

FIG.12

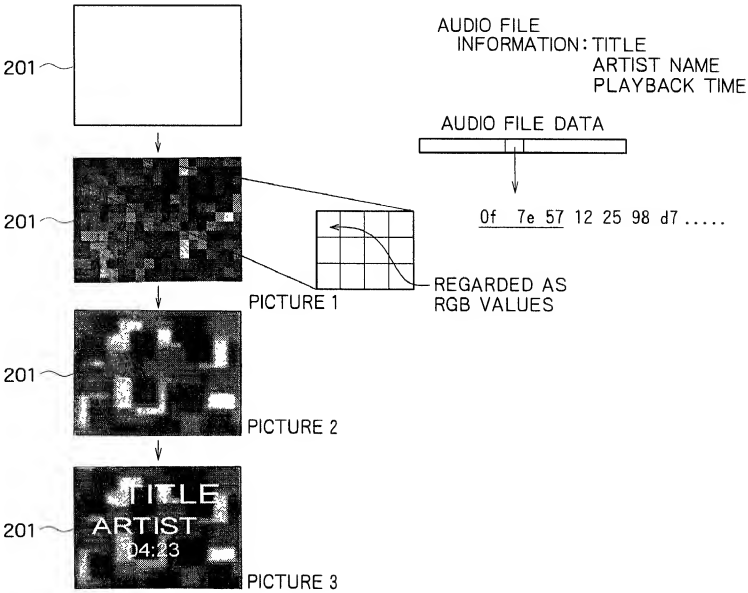

201
201
201
201
TITLE
ARTIST
04:23
PICTURE 1
PICTURE 2
PICTURE 3
REGARDED AS
RGB VALUES
AUDIO FILE
INFORMATION: TITLE
ARTIST NAME
PLAYBACK TIME
AUDIO FILE DATA
0f 7e 57 12 25 98 d7 .....

FIG. 13

201
201
201
Untitled(01)
Unknown
00:53
Untitled
SNOW GIRL
03:41
Kanon
Last regre
AYANA
SMALL
FILE SIZE
LARGE
SMALL
NUMBER OF DIVISIONS
LARGE

FIG. 14

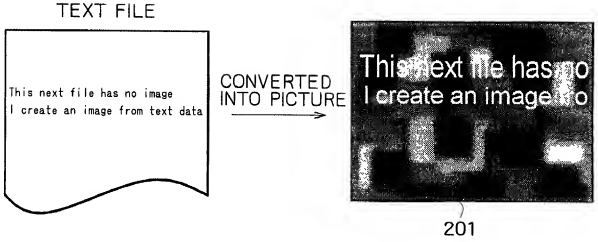

TEXT FILE
This next file has no image
I create an image from text data
CONVERTED
INTO PICTURE
This next file has no
I create an image fro
201

FIG. 15

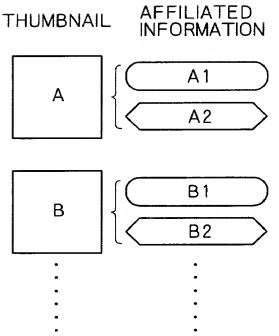
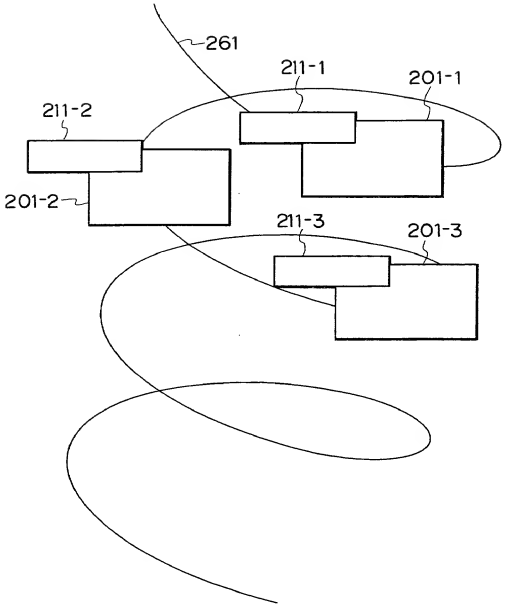


FIG. 16



TOSZ380-SSZ24660

FIG. 17B

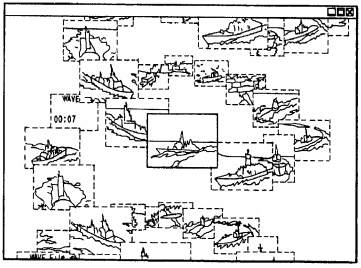
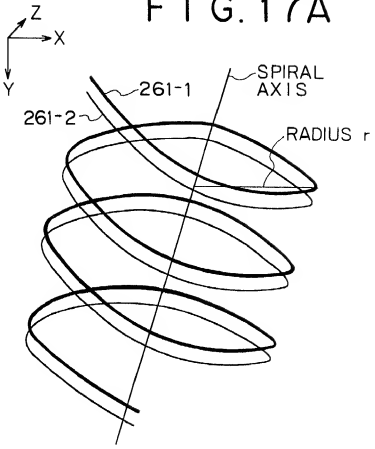
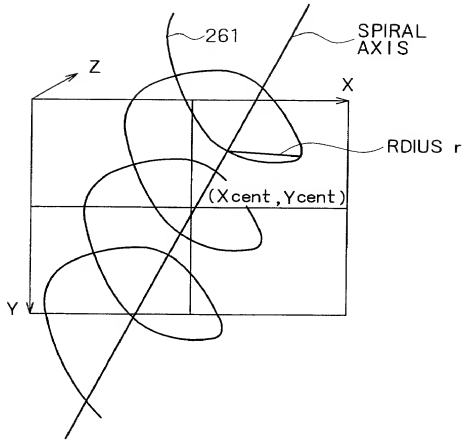


FIG. 17A



09421165.032901

FIG. 18



09942155.082901

FIG. 19

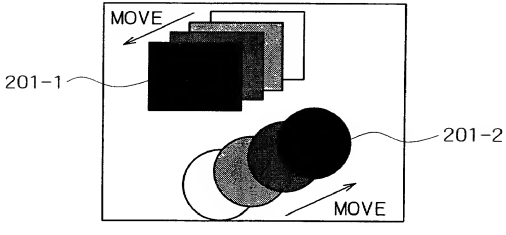
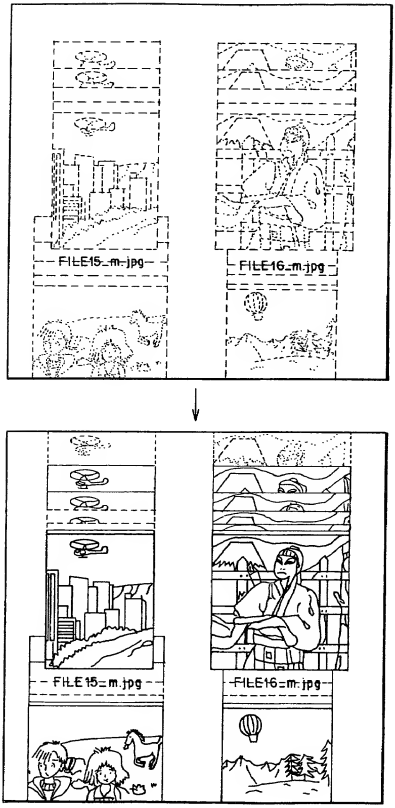


FIG.20

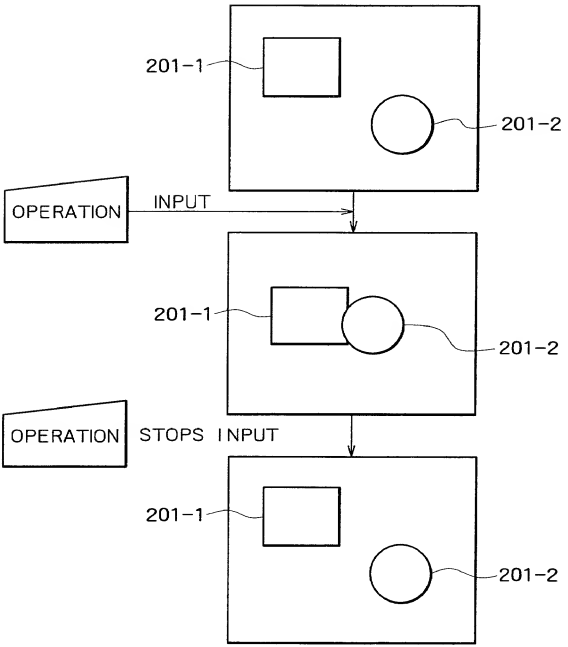


BRIGHTNESS OF ENTIRE SCREEN IS REDUCED TO 80%

EACH THUMBNAIL ICON IS OVERWRITTEN

10220-5S1CA660

FIG. 21


201-1
201-2
OPERATION
INPUT
201-1
201-2
OPERATION
STOPS INPUT
201-1
201-2

T06280 "59T2d660

FIG. 22

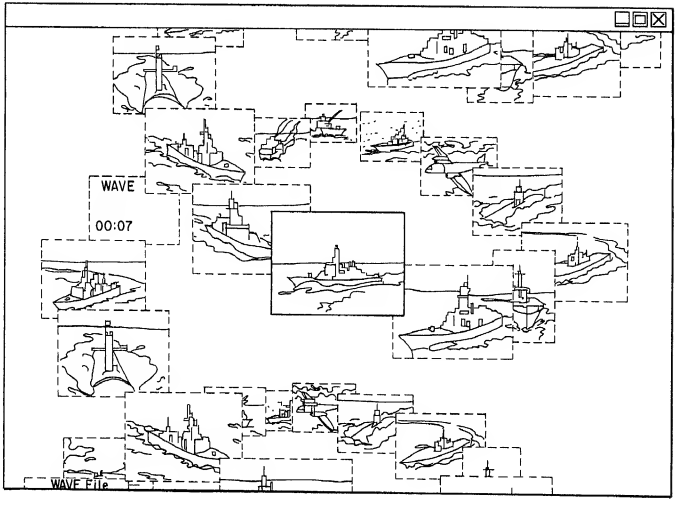


FIG. 23

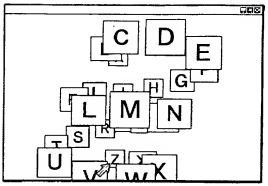


FIG. 24

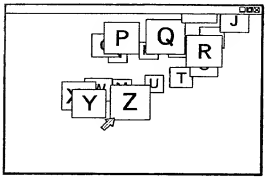
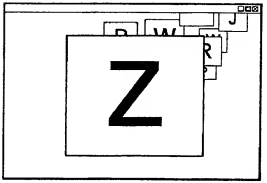


FIG. 25



09842165 - 082901

T06280 "5912h660

FIG.26

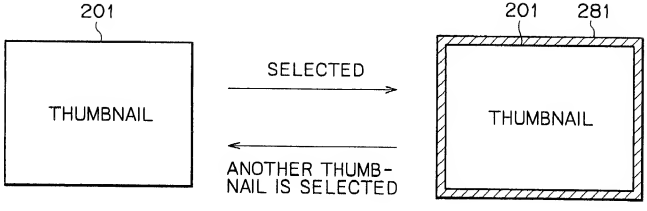
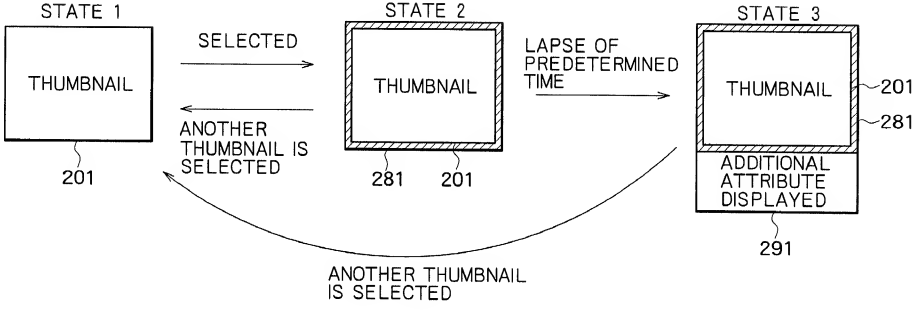


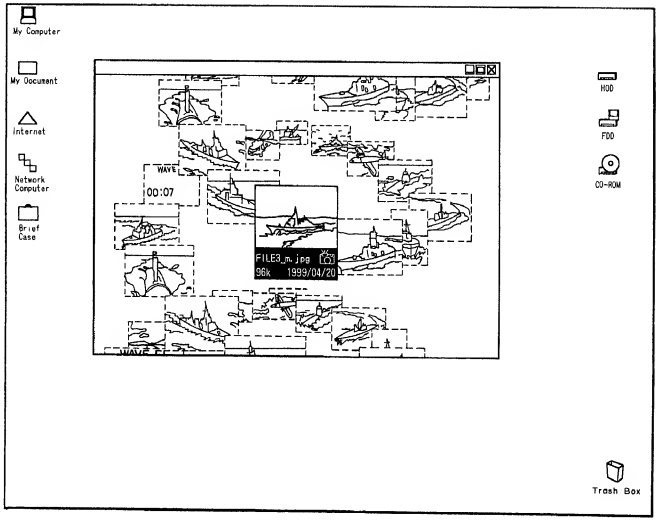
FIG. 27


STATE 1
THUMBNAIL
201
SELECTED
ANOTHER THUMBNAIL IS SELECTED
STATE 2
THUMBNAIL
281
201
LAPSE OF PREDETERMINED TIME
STATE 3
THUMBNAIL
201
281
ADDITIONAL ATTRIBUTE DISPLAYED
291
ANOTHER THUMBNAIL IS SELECTED

1062807.55124960

FIG.28

FIG. 29


My Computer
My Document
Internet
Network Computer
Brief Case
WAVE
00:07
FILE3_m.jpg
96k 1999/04/20
HDD
FDD
CD-ROM
Trash Box

TO6280 '5912:660

FIG. 30

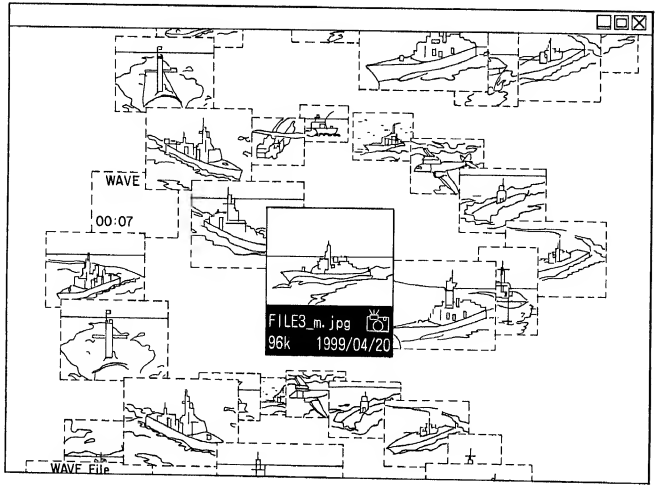


FIG. 31

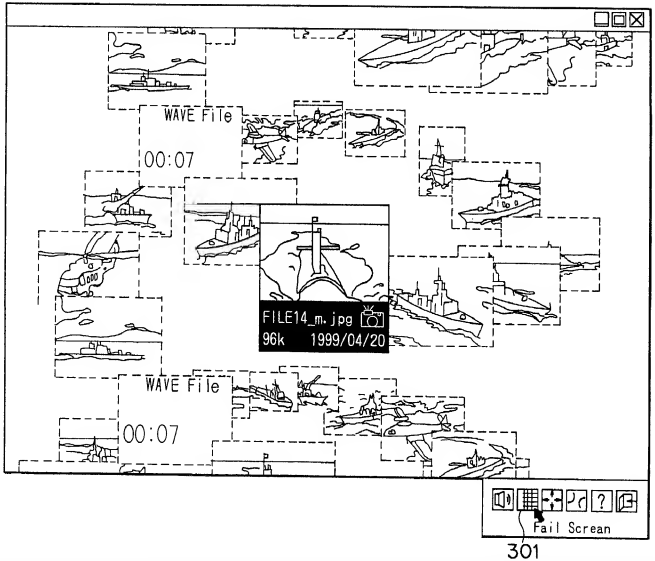

WAVE File
00:07
FILE14_m.jpg
96k 1999/04/20
WAVE File
00:07
Fail Screan
301

FIG. 32

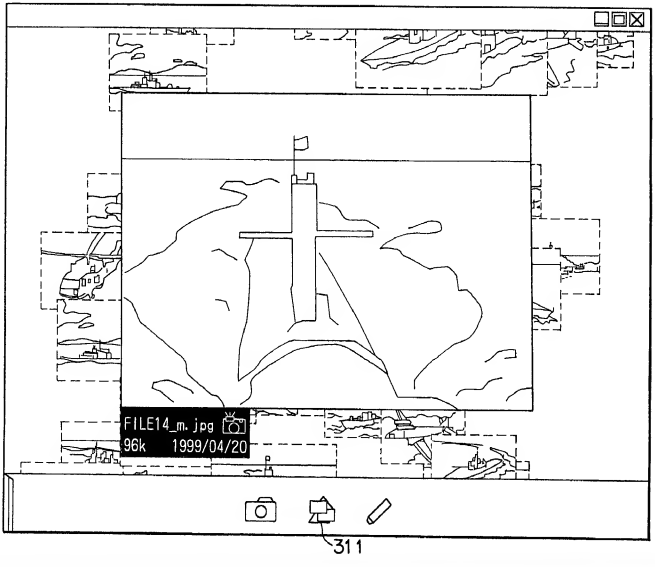
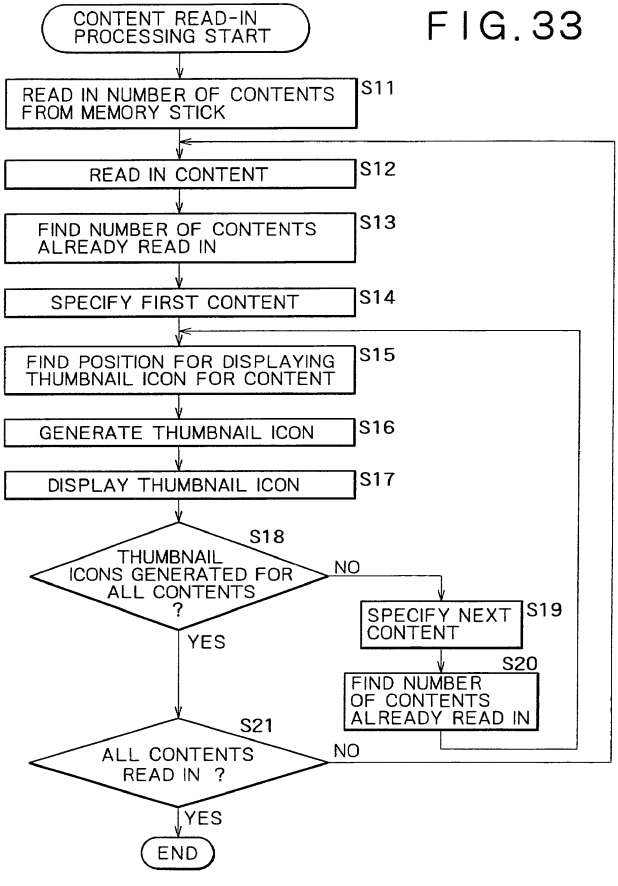
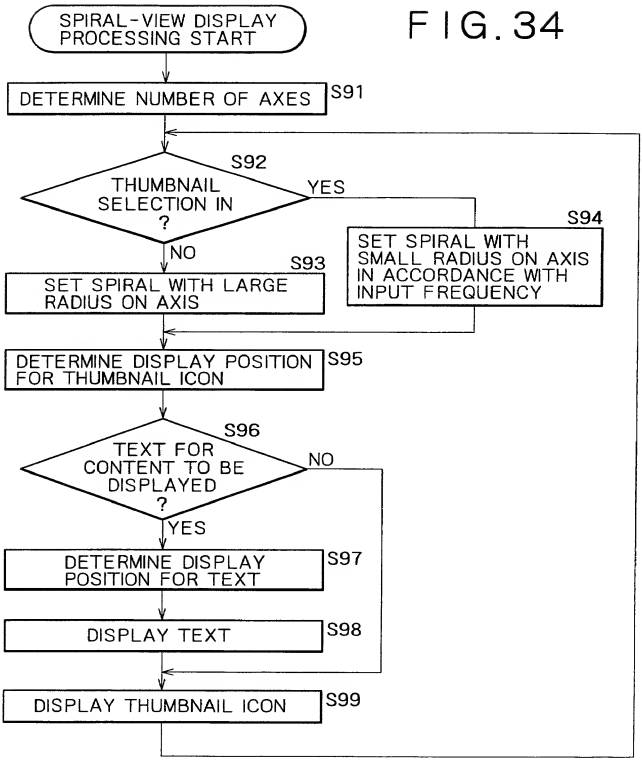


FIG. 33


CONTENT READ-IN PROCESSING START
READ IN NUMBER OF CONTENTS FROM MEMORY STICK
S11
READ IN CONTENT
S12
FIND NUMBER OF CONTENTS ALREADY READ IN
S13
SPECIFY FIRST CONTENT
S14
FIND POSITION FOR DISPLAYING THUMBNAIL ICON FOR CONTENT
S15
GENERATE THUMBNAIL ICON
S16
DISPLAY THUMBNAIL ICON
S17
THUMBNAIL ICONS GENERATED FOR ALL CONTENTS ?
S18
NO
YES
SPECIFY NEXT CONTENT
S19
FIND NUMBER OF CONTENTS ALREADY READ IN
S20
ALL CONTENTS READ IN ?
S21
NO
YES
END

10/2360-5512/0600

FIG. 34



10/2300-5512/660

FIG. 35

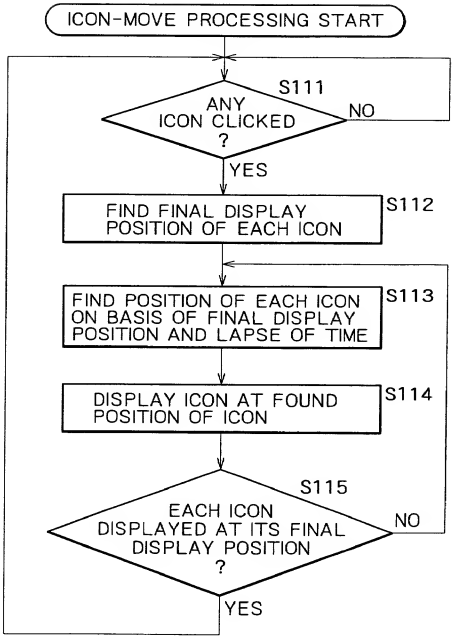


FIG. 36

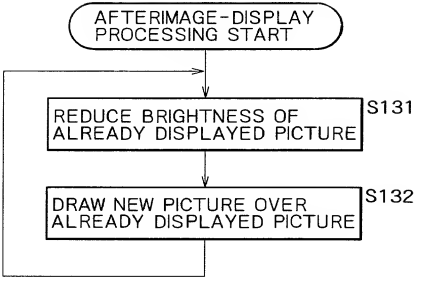
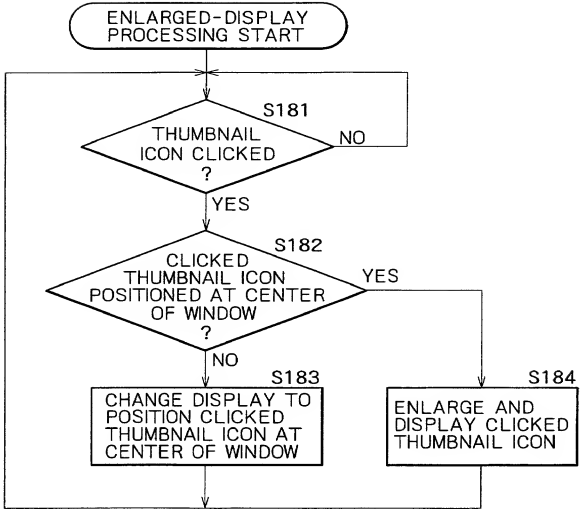
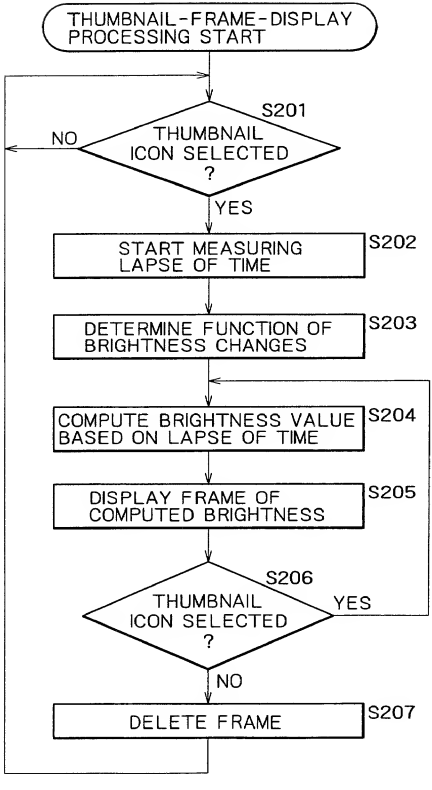

AFTERIMAGE-DISPLAY PROCESSING START
REDUCE BRIGHTNESS OF ALREADY DISPLAYED PICTURE
S131
DRAW NEW PICTURE OVER ALREADY DISPLAYED PICTURE
S132

FIG. 37



0994216S.010201

FIG. 38



09021515-082001

FIG. 39

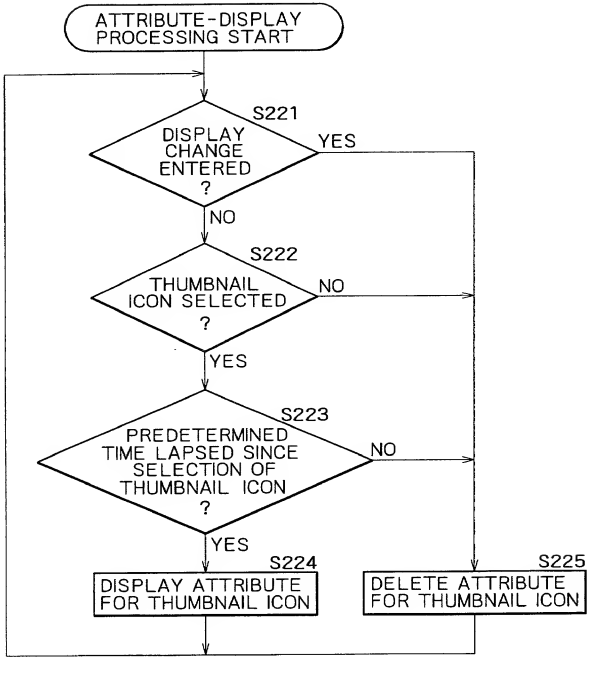
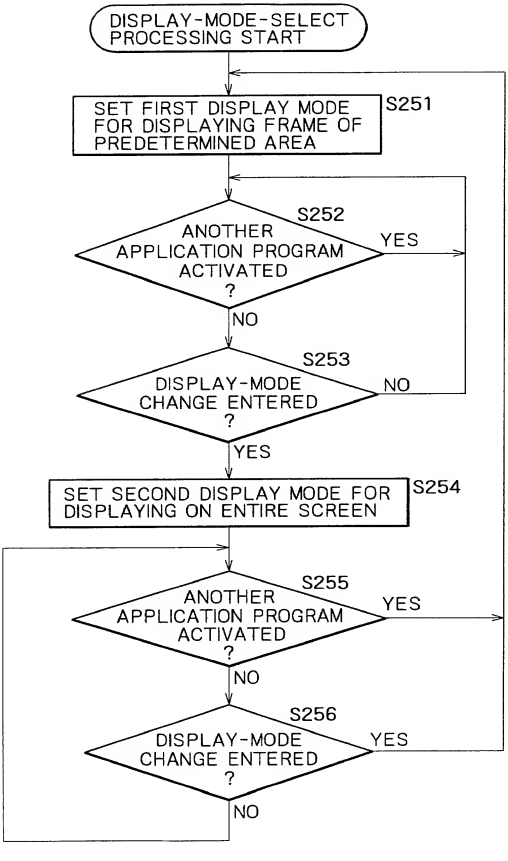
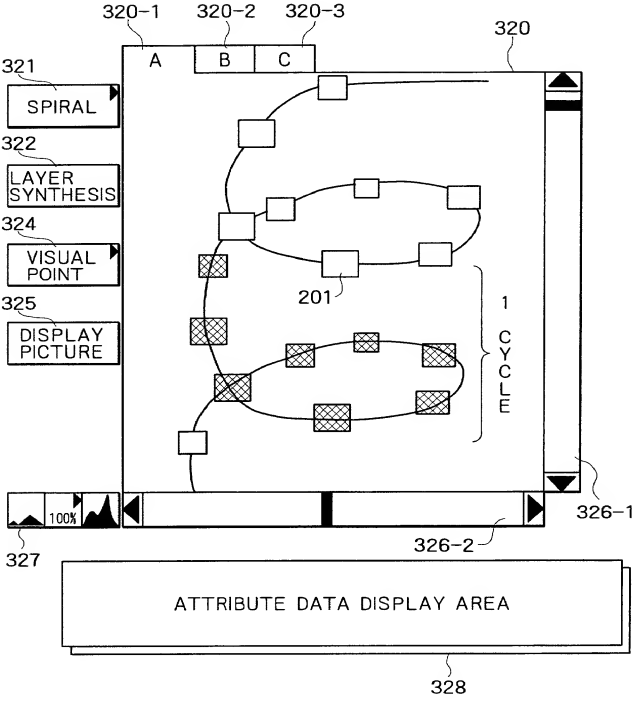

ATTRIBUTE-DISPLAY PROCESSING START
S221
DISPLAY CHANGE ENTERED ?
YES
NO
S222
THUMBNAIL ICON SELECTED ?
NO
YES
S223
PREDETERMINED TIME LAPSED SINCE SELECTION OF THUMBNAIL ICON ?
NO
YES
S224
DISPLAY ATTRIBUTE FOR THUMBNAIL ICON
S225
DELETE ATTRIBUTE FOR THUMBNAIL ICON

FIG. 40



10/2380-5612/0990

FIG. 41


320-1
320-2
320-3
320
A
B
C
321
SPIRAL
322
LAYER SYNTHESIS
324
VISUAL POINT
325
DISPLAY PICTURE
201
1 CYCLE
100%
326-1
326-2
327
ATTRIBUTE DATA DISPLAY AREA
328

0994215.082901

FIG. 42

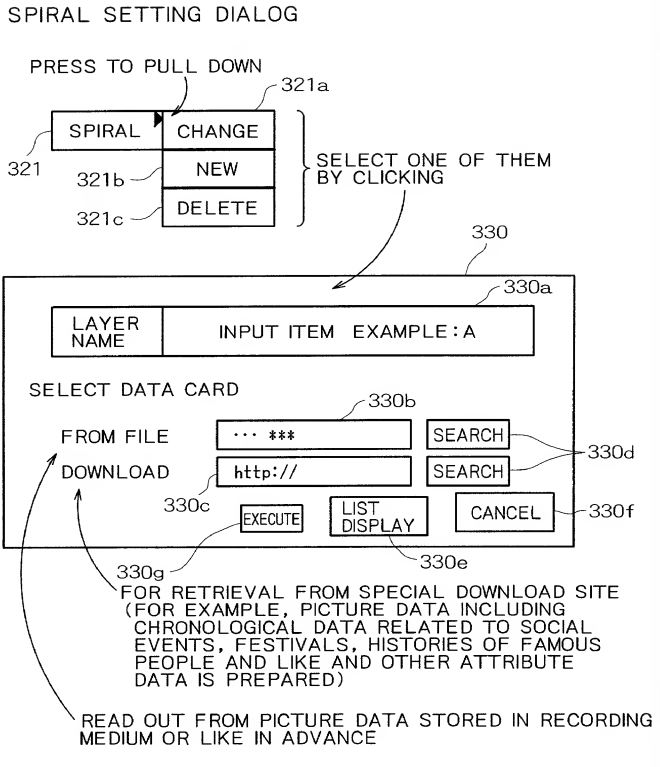
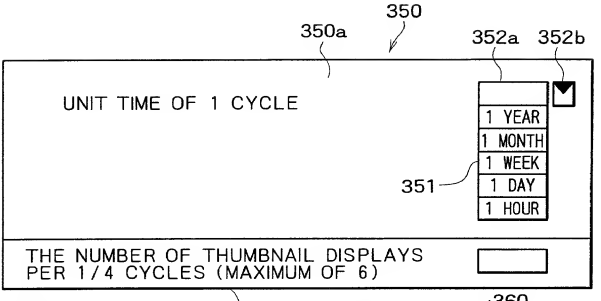


FIG. 43

DATA CARD LIST



360

360a DATA-CARD ID	360b THUMB NAIL	360c DATE	350b TITLE	360d COMMENTS	360e DISPLAY PRIORITY	360f
01		01.01.1995	NEW-YEAR DAY	SHRINE	1	
02		01.15.1995	CEREMONY FOR LAWFUL AGE	SHRINE	2	

361 CONFIRM

362 CANCEL

FIG. 44

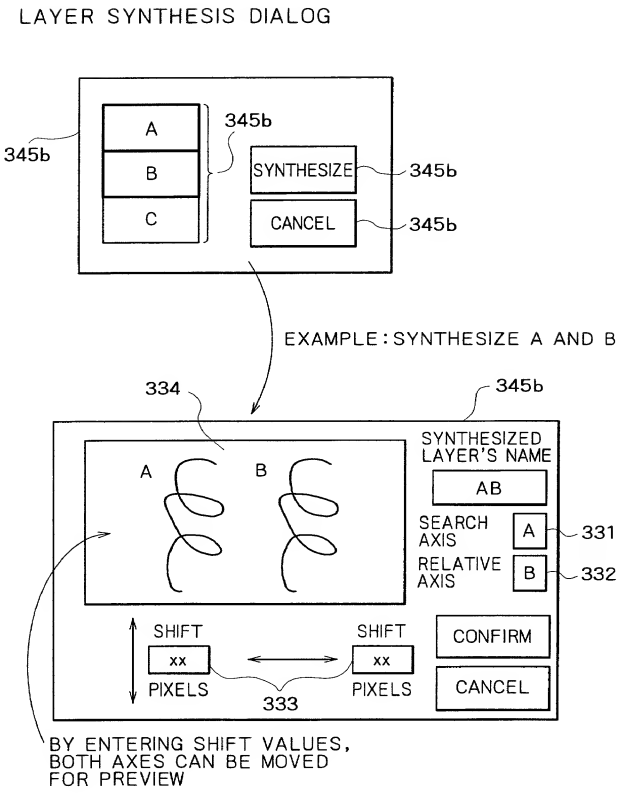
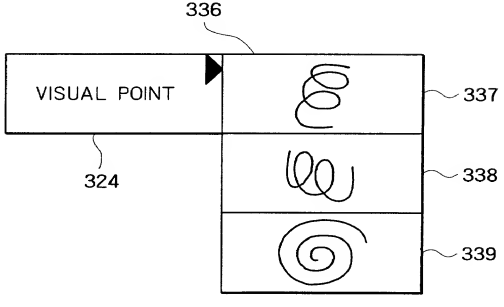

LAYER SYNTHESIS DIALOG
345b
A
B
C
345b
SYNTHESIZE
345b
CANCEL
345b
EXAMPLE : SYNTHESIZE A AND B
334
345b
A
B
SYNTHESIZED LAYER'S NAME
AB
SEARCH AXIS
A
331
RELATIVE AXIS
B
332
SHIFT
xx
PIXELS
SHIFT
xx
PIXELS
333
CONFIRM
CANCEL
BY ENTERING SHIFT VALUES, BOTH AXES CAN BE MOVED FOR PREVIEW

FIG. 45

VISUAL-POINT SETTING NEMU



09944165 - 082901

FIG. 46

DISPLAY-PICTURE SETTING DIALOG

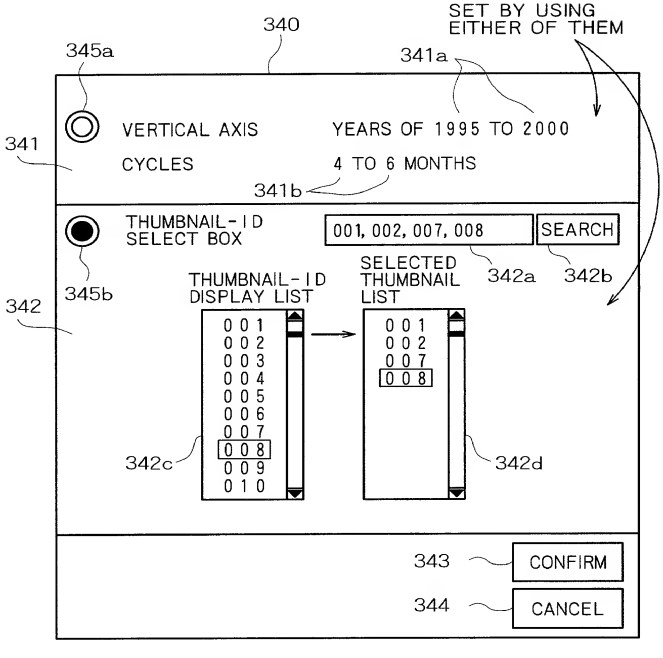
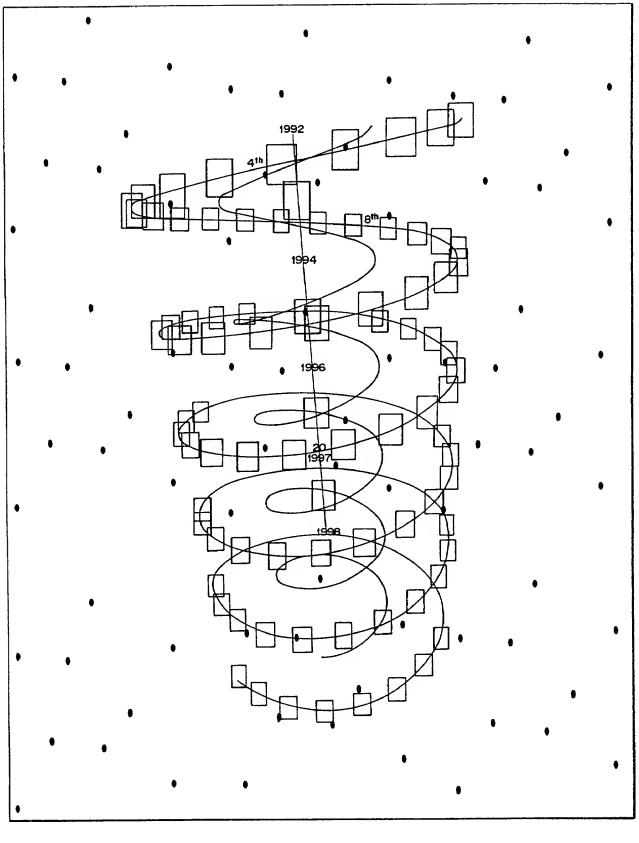
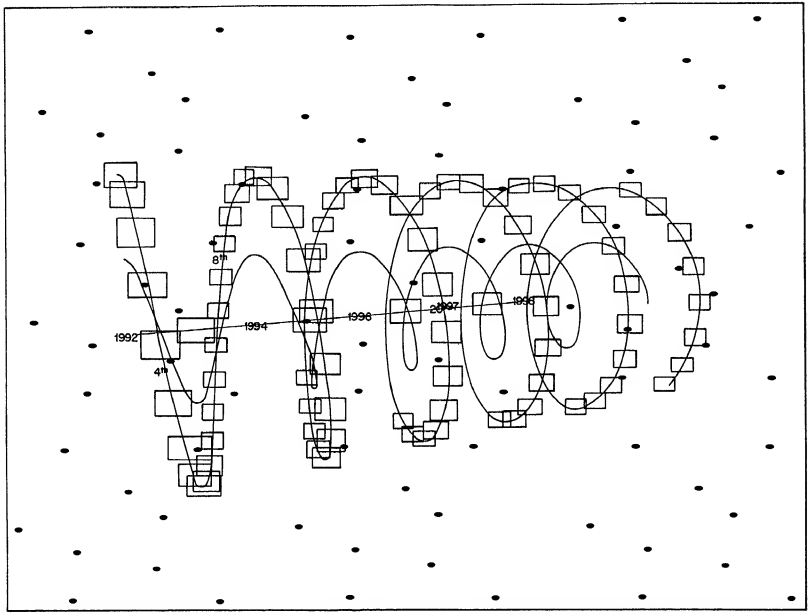


FIG. 47



US6280591A1 .082901

FIG. 48



EP 0 628 960 A2

FIG. 49

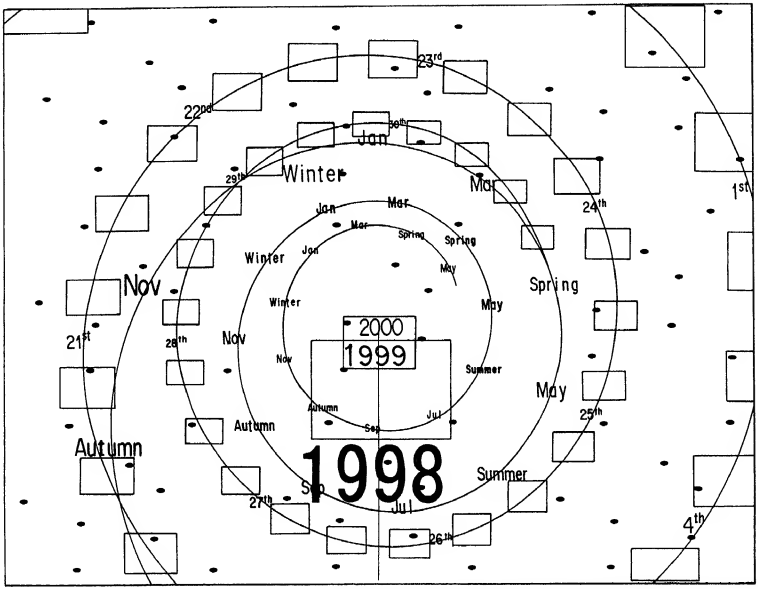
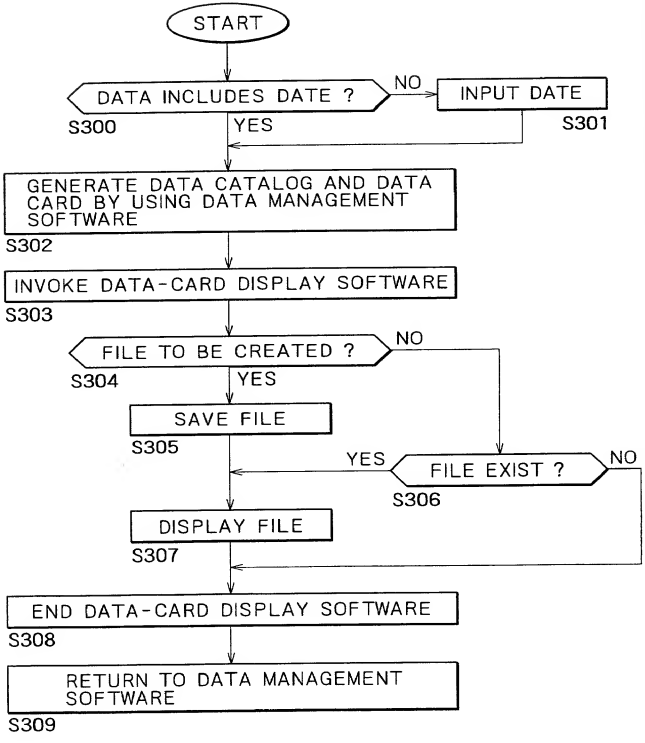


FIG. 50



09944165-082901

FIG. 51

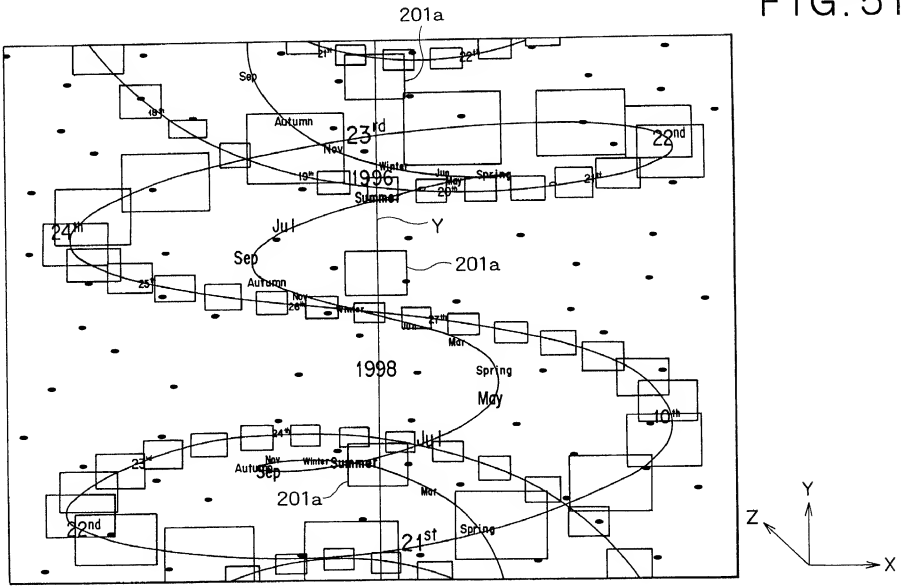
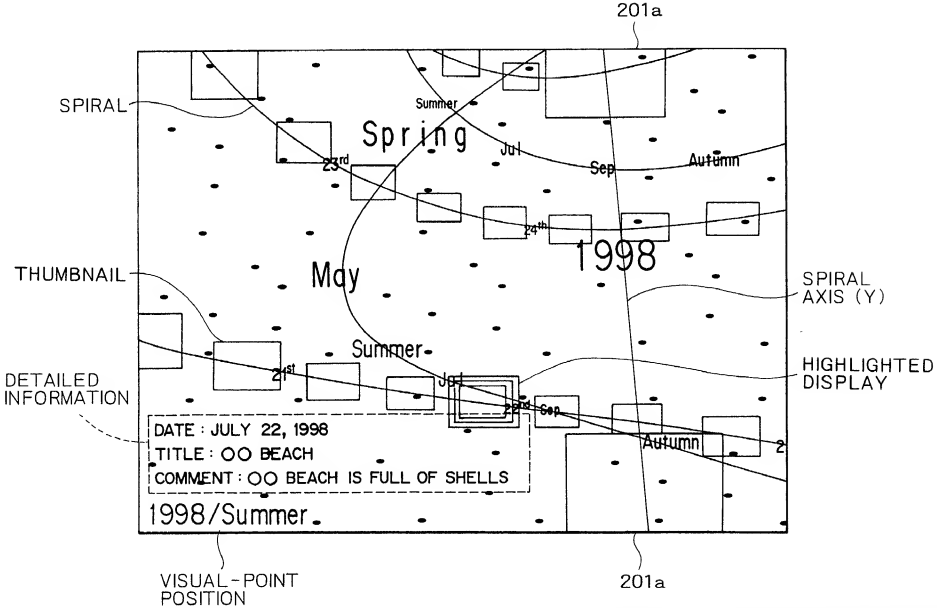

201a
Sep
Autumn
23rd
Nov
1996
Winter
Jan
May
Spring
Summer
22nd
24th
Jul
Y
Sep
201a
Autumn
Mar
1998
Spring
May
10th
Jul
Sep
Summer
201a
Mar
22nd
21st
Spring
Y
Z
X

FIG. 52


201a
SPIRAL
Summer
Spring
Jul
Sep
Autumn
23rd
24th
1998
May
THUMBNAIL
SPIRAL AXIS (Y)
Summer
21st
Jul
24th
Sep
HIGHLIGHTED DISPLAY
DETAILED INFORMATION
DATE : JULY 22, 1998
TITLE : OO BEACH
COMMENT : OO BEACH IS FULL OF SHELLS
Autumn
2
1998/Summer
VISUAL-POINT POSITION
201a